NOV 19 1931

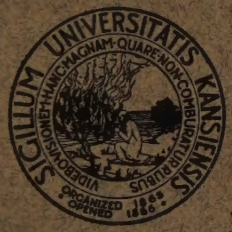
BULLETIN OF THE UNIVERSITY OF KANSAS

VOL. XXIX APRIL 1, 1928. No. 7

SCIENCE BULLETIN

Vol. XVIII, Nos. 1 to 13

(Continuation of Kansas University Quarterly.)



LAWRENCE, KANSAS

Published Semimonthly from January to June and Monthly from July to December, inclusive, by the University of Kansas.

PRINTED BY KANSAS STATE PRINTING PLANT
B. P. WALKER, STATE PRINTER
TOPEKA 1928
12-3341

Entered as second-class matter December 29, 1910, at the post office at Lawrence, Kansas, under the act of July 16, 1894.

NOTICE TO EXCHANGES.

The attention of learned societies and other institutions which exchange scientific publications with the University of Kansas is called to the list of publications of this University on the third and fourth pages of the cover of this issue.

Those marked "Supply exhausted" cannot be furnished at all; as far as the supply permits the remaining numbers will gladly be furnished to any of our exchanges who may need them to complete their files.

Back numbers of the *Kansas University Quarterly*, as far as possible, will be sent to those of our newer correspondents who are able and willing to reciprocate.

ANNOUNCEMENT.

The *Kansas University Science Bulletin* (continuation of the *Kansas University Quarterly*) is issued in parts at irregular intervals. Each volume contains from 300 to 400 pages of reading matter, with necessary illustrations. Exchanges with other institutions and learned societies everywhere are solicited. All *exchanges* should be addressed to the LIBRARY OF THE UNIVERSITY OF KANSAS.

All communications should be addressed to

THE KANSAS UNIVERSITY SCIENCE BULLETIN,
LIBRARY OF THE UNIVERSITY OF KANSAS,
LAWRENCE, KAN.

EDITORIAL BOARD.

RAYMOND C. MOORE, *Chairman.*
H. B. HUNGERFORD, *Secretary.*
DINSMORE ALTER.
ARTHUR W. DAVIDSON.
E. N. MANCHESTER.
A. J. MIX.
ASA A. SCHAFFER.
O. O. STOLAND.

THE

KANSAS UNIVERSITY SCIENCE BULLETIN

DEVOTED TO
THE PUBLICATION OF THE RESULTS OF
RESEARCH BY MEMBERS OF THE
UNIVERSITY OF KANSAS

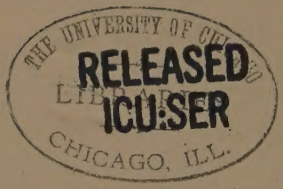
Vol. XVIII

(Whole Series, Vol. XXIX)

PUBLISHED BY THE UNIVERSITY,
LAWRENCE, KANSAS.
1928

PRINTED BY KANSAS STATE PRINTING PLANT
B. P. WALKER, STATE PRINTER
TOPEKA 1928
12-3341

Q1
.K2
v.18
cop.2



RELEASED
ICU:SER

1471557

CONTENTS OF VOLUME XVIII.

No.		PAGE
1.	The Genus *Clastoptera* in America North of Mexico. *Kathleen C. Doering*	5
2.	Studies on the Biology of Kansas Cicadidæ. *R. H. Beamer,*	155
3.	Hæmoglobin Cells and Other Studies of the Genus *Buenoa* (Hemiptera, Notonectidæ). *Clarence O. Bare*	265
4.	An Exploratory Survey of Characters of Specific Value in the Genus *Gelastocoris* Kirkaldy, and Some New Species. *Chas. H. Martin*	351
5.	The Coreidæ of Kansas. *Howard O. Deay*	371
6.	The Genus *Scolops*. *E. P. Breakey*	417
7.	Study of the Life History and Spotting Habits of *Eutettix chenopodii* (Homoptera, Cicadellidæ). *I. Pearl Carpenter*	457
8.	Further Studies on the Reaction of Opalina to Various Laboratory Culture Media. *Mary E. Larson* and *Fred W. Allen, Jr.*	485
9.	A study of the Parasites of the Digestive Tract of Thirty-five Dogs. *C. Ruth Shaw*	491
10.	Relations Between Plants and Birds in the Missouri River Region. *Jean Linsdale*	499
11.	Birds of a Limited Area in Eastern Kansas. *Jean Linsdale,*	517
12.	Reactions of the Formamidines: XII. Some Derivatives of Desoxybensoin. *F. B. Dains* and *John F. Olin*	627
13.	I. Synthesis of Tiazane Derivatives. II. Reactivity of Various Alkyl Bromides with Diphenyl Thiourea. *Fleming G. Moore* and *F. B. Dains*	633

218955